

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	307/66.ccls. and 455/571-573,343.1-343.5,522.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:13
L2	18	(back\$1up and (power battery cell) and (CPU (control adj unit) processor) and ((potential logic) near2 (line\$1 link\$1 state level))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:26
L3	177	(back\$1up and (power battery cell) and (controller CPU (control adj unit) processor) and ((potential logic\$2 voltage) near2 (line\$1 link\$1 state level))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:28
L4	3	3 and 455/571-574,343.1-343.6.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:28
L6	9	("5287363"   "5410713"   "5428766"   "5442679"   "5579524"   "5684404"   "5903767").PN. OR ("6122750").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/19 11:07
S1	2	"20030109243".pn.,4761824".pn.	US-PGPUB; USPAT	OR	ON	2007/04/18 08:22
S2	1275	hannon.xa.	US-PGPUB; USPAT	OR	ON	2007/04/17 10:17
S3	27	S2 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/17 10:17
S4	27	haroon.xa.	US-PGPUB; USPAT	OR	ON	2007/04/17 10:18
S5	16	akonai.xa.	US-PGPUB; USPAT	OR	ON	2007/04/17 10:44
S6	1	"5834857".pn.	US-PGPUB; USPAT	OR	ON	2007/04/17 10:44
S7	1	"6246673".PN.	US-PGPUB; USPAT	OR	ON	2007/04/18 08:26
S8	1	"20060223557".PN.	US-PGPUB; USPAT	OR	ON	2007/04/18 08:27
S9	1	"20050192011".PN.	US-PGPUB; USPAT	OR	ON	2007/04/18 08:40

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S10	1	"7181210".PN.	US-PGPUB; USPAT	OR	ON	2007/04/18 08:41
S11	16	AKONAI.XA.	US-PGPUB; USPAT	OR	ON	2007/04/18 08:42
S12	1450	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) near3 (power potential voltage) near2 (difference level threshold) near3 (signal channel link) same (battery power) and (mobile wireless) and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 16:02
S13	66	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) near3 (power potential voltage) near2 (difference level threshold) near3 (signal channel link) same (battery power) and (mobile wireless) and "455"/571, 572,573,574,343.1,343.2,343.3,343. 4,343.5,343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 16:22
S14	716	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) near5 (power potential voltage) near3 (difference level threshold) near3 (signal channel link ((data control) adj (channel link))) same (battery power) and (mobile wireless) and "455"/522,571,572, 573,574,343.1,343.2,343.3,343.4, 343.5,343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 16:26
S15	616	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) near3 (power potential voltage) near3 (difference level threshold) near3 (signal channel link ((data control) adj (channel link))) same (battery power) and (mobile wireless) and "455"/522,571,572, 573,574,343.1,343.2,343.3,343.4, 343.5,343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 21:33
S16	0	S15 and "20030305".RLAD.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 16:51
S17	0	S15 and "20030305".RLFD.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 16:51

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S18	26	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) near3 (potential voltage) near3 (difference level threshold) near3 (signal channel link ((data control) adj (channel link))) same (battery power) and (mobile wireless) and "455"/522,571,572,573,574,343.1,343.2,343.3,343.4,343.5,343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 14:52
S19	10	("4667144"   "5455503"   "5559471"   "5613229"   "5764501"   "5826170"   "5999829"   "6026284"   "6089456").PN. OR ("6608997").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 21:43
S20	2	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) near3 (potential voltage) near5 ((data control) adj (channel link)) same (battery power) same (mobile wireless)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 21:47
S21	921	(adjust\$4 dynamic\$4 adapt\$3 vary\$3 variable increas\$3 decreas\$3) same (potential voltage) same ((data control) adj (channel link)) same (battery power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 21:48
S22	109	S21 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 21:49
S23	37	("20010055275"   "20020132603"   "20030198196"   "20030203740"   "20040179469"   "20040181569"   "20050059347"   "20050096073"   "20050197119"   "20060142035"   "5241542"   "5278831"   "5410738"   "5491837"   "5519761"   "5594731"   "5621735"   "5740363"   "5790536"   "5844893"   "5850181"   "5898904"   "5920815"   "5949776"   "5960344"   "6091717"   "6243575"   "6278883"   "6356192"   "6615050"   "6711418"   "6745044"   "6760587"   "6807165"   "6889056"   "6963747"   "7110783").PN. OR ("7203463").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 21:53

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S24	607	((control data voice) adj (channel link)) same (adjust\$4 dynamic\$4 vary\$3 variable low\$2 high\$3 increas\$3 decreas\$3) same ( (logic near2 (state level status)) (potential adj (difference level)) voltage power) and 455/522,571-574,343. 1-343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 09:58
S25	250	((control data voice) adj (channel link)) with (adjust\$4 dynamic\$4 vary\$3 variable low\$2 high\$3 increas\$3 decreas\$3) with ( (logic near2 (state level status)) (potential adj (difference level)) voltage power) and 455/522,571-574,343. 1-343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:58
S26	177	455/572.ccls. and 455/574.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 10:40
S27	14	("4297629"   "4709201"   "4862310"   "5218285"   "5590417"   "5596626"   "5754027"   "5793186"   "5794163"   "6031353"   "6054814").PN. OR ("6526294").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:09
S28	4	(control adj (signal channel line\$1 link\$1)) same ((voice data packet) adj (signal channel line\$1 link\$1)) same (logic\$2.potential voltage volt) near3 (low high reduc\$3 decreas\$3 adjust\$4) and 455/572,574,343.6.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/18 11:42
S29	28	("3737782"   "3877001"   "4052717"   "4356481").PN. OR ("4509201").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:51
S30	0	455/343.ccls. and "370"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:52
S31	4	455/343.6.ccls. and "370"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 12:13
S32	18	("5410740"   "5438329"   "5509015"   "5661780").PN. OR ("6047200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 11:56
S33	4	(back\$1up near3 (power battery voltage)) with ((control data voice) adj (channel link)) with (adjust\$4 dynamic\$4 vary\$3 variable low\$2 high\$3 increas\$3 decreas\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:00

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S34	0	455/574,343.6.ccls. and (back\$1up near3 power) same (control adj (signal channel frequency link\$1 line\$1)) same ((data voice) adj (line\$1 link\$1 signal\$1 frequency channel)) same (potential voltage power)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 12:17
S35	8	"455"/\$.ccls. and (back\$1up near3 power) same (control adj (signal channel frequency link\$1 line\$1)) same ((data voice) adj (line\$1 link\$1 signal\$1 frequency channel)) same (potential voltage power)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 12:34
S36	2407	(control adj (signal channel frequency link\$1 line\$1)) same ((data voice) adj (line\$1 link\$1 signal\$1 frequency channel)) same (potential voltage power) near3 (reduc\$3 decreas\$3 low\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:41
S37	0	S36 and 455/343.6.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:42
S38	9	S36 and 455/574.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 12:46
S39	68	S36 and 455/571-573,343.1-343.5, 522.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:03
S40	0	455/574,343.6.ccls. and 320/137, 138,140,167.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/18 14:51
S41	12	320/137,138,140,166,167.ccls. and "455"/522,571,572,573,574,343.1, 343.2,343.3,343.4,343.5,343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:17
S42	42640	(power potential voltage) near3 (mode status level threshold) same (logic\$2 ((control data) near2 (channel link signal))) with (high\$3 low\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 15:22

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S43	106	S42 and 455/572,574,343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:33
S44	1	"5623533".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:37
S45	20	("4417233"   "4860005"   "4910752"   "5095308"   "5204986"   "5206650"   "5287525"   "5365226").PN. OR ("5623533"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:33
S46	231	455/572,574.ccls. and "370"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:38
S47	2	S46 and (control adj (channel link\$1 line\$1)) same ((voice data) adj (signal link\$1 line\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:43
S48	65	455/343.6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/18 16:43
S49	1	"4761824".pn.	US-PGPUB; USPAT	OR	ON	2007/09/18 09:40
S50	169	"455"/\$.ccls. and "320"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/09/18 09:40
S51	33	"455"/\$.ccls. and 320/114.ccls.	US-PGPUB; USPAT	OR	ON	2007/09/18 09:41
S52	5	("20040076875"   "5172043"   "5563493"   "6023147"   "6285159").PN. OR ("7136682"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 10:04
S53	8136	((logic\$2 near2 high) (high near2 impedance)) same ((logic\$2 near2 low) (low near2 impedance)) same (data control) near3 (signal channel link line) same (battery power voltage potential)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 10:16
S54	33	S53 and (455/571-574,522,343. 1-343.6.ccls. or 320/114,134,137, 138,140,166,167.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 10:17
S55	33	S54 not S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 10:17

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S56	4	("5798630"   "5982153").PN. OR ("6275010").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 10:19
S57	7	("3914696").PN. OR ("5239695").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 10:43
S58	0	((wireless mobile portable cellular RF handheld adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio\$1phone or radio\$1telephone or cell\$1phone or (terminal adj (unit equipment)) or telephone or hand\$2phone or hand\$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant") same (pull\$1up adj transistor) same (switch diode transistor) and 455/571-574,343.1-343.6,522.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 10:47
S59	0	(power battery cell voltage potential) same (pull\$1up adj transistor) same (switch diode transistor) and (channel link signal) and 455/571-574,343.1-343.6,522.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 10:49
S60	4110	(power battery cell voltage potential) same (pull\$1up adj transistor) same (switch diode transistor) and (channel link signal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 10:53
S61	8	(mobile wireless cellular portable) same (power battery cell voltage potential) same (pull\$1up adj transistor) same (switch diode transistor) and (channel link signal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 13:33
S62	17	(mobile wireless cellular portable) same (power battery cell voltage potential) same (pull\$1down adj resistor) same (switch diode transistor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:48
S63	9	("4451742"   "4962523"   "5036532"   "5335263"   "5498913"   "5511234"   "5608273").PN. OR ("5862493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 13:51
S64	9	("4451742"   "4962523"   "5036532"   "5335263"   "5498913"   "5511234"   "5608273").PN. OR ("5862493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/18 14:41

## EAST Search History

S65	629725	(power battery cell voltage potential logic\$2) near3 level ((N\$1MOS near2 transistor) (pull\$1down adj resistor)) same (switch diode transistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 14:51
S66	605317	(power battery cell voltage potential logic\$2) near3 level ((N\$1MOS near2 transistor) (pull\$1down adj resistor)) same (switch diode transistor) and (455/571-574,343. 1-343.6,522.ccls. or 320/114,134, 137,138,140,166,167.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 14:55
S67	24	(power battery cell voltage potential logic\$2) near3 level same ((N\$1MOS near2 transistor) (pull\$1down adj resistor)) same (switch diode transistor) and (455/571-574,343. 1-343.6,522.ccls. or 320/114,134, 137,138,140,166,167.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 15:03